



SAFETY DATA SHEET

Issuing Date 13-MAY-2015

Revision Date 13-MAY-2015

Revision Number 1

Section 1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Product Name AN994A ABRASIVE CONE

Part Number

Synonyms PRODUCT IDENTIFIER SDS020

Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Tooling used in the honing process

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier

Sunnen Products
7910 Manchester
Saint Louis, MO 63143
314-781-2100
Website: www.sunnen.com

For further information, please contact

E-mail Address SDS@sunnen.com

Emergency telephone number

1 (314) 781-2100 8 a. m . - 3 p.m. C.S.T (US)
Email: SDS@sunnen.com

Europe	112
---------------	-----

Section 2. Hazards identification

- Classification of the substance or mixture

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200. However, downstream use of the article could result in some hazardous elements contained in these products to be emitted under certain processing conditions such as but not limited to: abrading, cutting, or grinding. The classification given below pertains to when used during these processes.

Acute Toxicity, Inhalation	Category 4
Specific target organ toxicity- repeated exposure	Category 1
Carcinogenicity	Category 2
Acute Aquatic Toxicity	Category 2
Chronic Aquatic Toxicity	Category 2

Physical Hazards

None

Label Elements

Downstream use of this article could result in some hazardous elements contained in these products to be emitted under certain processing conditions such as but not limited to: abrading, cutting, or grinding. The classification given below pertains

to when used during these processes.



Signal Word

Danger

Hazard Statements

H332 - Harmful if inhaled.

H351 – Suspected of causing cancer

H372 - Causes damage to organs through prolonged or repeated exposure.

H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements

P201 - Obtain special instructions before use

P280 – Wear protective gloves/ protective clothing/ eye protection/ face protection

P308 + P313 – IF exposed or concerned: Get medical advice/ attention.

P304 + P340 + P312 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

P314 – Get medical advice/ attention if you feel unwell.

P202 - Do not handle until all safety precautions have been read and understood

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P271 - Use only outdoors or in a well-ventilated area

P273 - Avoid release to the environment.

P405 - Store locked up

P260 - Do not breathe

dust/fume/gas/mist/vapors/spray

P501 - Dispose of contents/ container to an approved waste disposal plant

P391 - Collect spillage

Other information

None known

Section 3. Composition/information on ingredients

3.1. Substances

Chemical Name	EC-No	CAS-No	Weight %	EU - GHS Substance Classification
Aluminum Oxide	215-691-6	1344-28-1	10-50	Acute Tox. 4
Trisodium hexafluoroaluminate	239-148-8	15096-52-3	0-12	Acute Tox. 4 Aquatic Chronic 2 Aquatic Acute 2
Titanium Dioxide	236-675-5	13463-67-7	<2	Carcinogenicity 2

Section 4. First aid measures

Description of first-aid measures

General Advice	As solid objects this tool does not present any hazards at normal temperatures. However when used for abrading, grinding, cutting or processing in another fashion that creates potentially hazardous dust or fumes can result in exposure by inhalation, swallowing or come in contact with skin or eyes. The information below is for these instances.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin Contact	Wash skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention. Remove and wash contaminated clothing before re-use.
Ingestion	Call a POISON CENTER or doctor/physician if exposed or you feel unwell.
Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
Protection of First-aiders	Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects Asthma-like and/ or skin allergy-like symptoms. Itching. Difficulty in breathing. Coughing and/ or wheezing. Rashes.

Indication of immediate medical attention and special treatment needed

Notes to Physician May cause sensitization of susceptible persons.

Section 5. Fire-fighting measures

Extinguishing media**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons

None.

Special hazards arising from the substance or mixture**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

None in particular.

Advice for firefighters**Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

As solid objects tool does not present any hazards at normal temperatures. However when used for abrading, grinding, cutting or processing in another fashion that creates potentially hazardous dust or fumes can result in exposure by inhalation, swallowing or come in contact with skin or eyes. Avoid dust formation. Avoid contact with skin, eyes and clothing. Avoid inhalation of dust.

Environmental precautions

Avoid release to the environment, metal fines produced from abrading, cutting, welding, sanding, burning, milling or grinding.

Methods and materials for containment and cleaning up

Not applicable

Pick up and transfer to properly labeled containers.

Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

Precautions for Safe Handling

Handling

None required under normal usage. If exposed to dust: Ensure adequate ventilation. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations.

Specific end use(s)

Exposure Scenario

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection

Control parameters

Exposure Limits

Occupational exposure limits apply to some of the components resulting from abrading, cutting or grinding producing dust or fumes.

Chemical Name	OSHA
Aluminum Oxide	TWA (as Total dust): 15 mg/m ³ TWA (as respirable dust): 5 mg/m ³
Titanium Dioxide	TWA (as Total dust): 15 mg/m ³

Derived No Effect Level

No information available

Predicted No Effect Concentration (PNEC)

No information available.

Exposure controls

Engineering Measures

Showers, eyewash stations, and ventilation systems.

Personal protective equipment

Eye Protection

Always wear approved safety glasses with side shields when operating machinery.

Skin and Body Protection

No protective equipment is needed under normal use conditions.

Hand Protection

Protective gloves.

Respiratory Protection

None required under normal usage. In the case of dust or aerosol formation use respirator with an approved filter.

Environmental Exposure Controls

No information available.

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State	Solid.
Appearance	Various shades Brown
Odor	No information available.

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	Not applicable	None known
Melting Point/Range	Not applicable	None known
Boiling Point/Boiling Range	Not applicable	None known
Flash Point	Not applicable.	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative Density	No data available	None known
Water Solubility	Not applicable	None known
Solubility in other solvents	Not applicable	None known
Partition coefficient:n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	Not applicable	None known
Explosive Properties	No information available	None known
Oxidizing Properties	No information available	None known

Other information

VOC Content (%)	No information available
Flammability Limits in Air	No information available.

Section 10. Stability and reactivity

Reactivity

No data available.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Dust formation.

Incompatible materials

No information available.

Hazardous decomposition products

None under normal use.

Section 11. Toxicological information

11.1.**Acute Toxicity****Product Information****Inhalation****Eye Contact****Skin Contact**

Product does not present an acute toxicity hazard based on known or supplied

information.

May cause allergy or asthma symptoms or breathing difficulties if inhaled. Inhalation of dust in high concentration may cause irritation of respiratory system.

Dust contact with the eyes can lead to mechanical irritation.

Repeated or prolonged skin contact may cause allergic reactions with susceptible

Ingestion persons.
Not an expected route of exposure.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Trisodium hexafluoroaluminate	Rat >5000 mg/kg	-	-
Aluminum Oxide	Rat > 10000 mg/kg	-	Rat- 4 h > 2.6 mg/l
Titanium Dioxide	Rat female >5000 mg/kg	-	Rat- 4 h > 6.82 mg/l

Sensitization May cause sensitization by inhalation. May cause sensitization by skin contact. May cause

an allergic skin reaction.

Mutagenic Effects
Carcinogenic Effects

No information available.

Chemical Name	IARC
Titanium Dioxide	Group 2B: Possible human Carc.

Reproductive Toxicity
Developmental Toxicity

No information available.

No information available.

STOT - single exposure

May cause disorder and damage to the: Respiratory system, Skin.

STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure if inhaled

Target Organ Effects

Eyes, Respiratory system, Skin.

Aspiration Hazard

No information available.

Section 12. Ecological information

Toxicity

Ecotoxicity Effects

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganism	Daphnia Magna (Water Flea)
Trisodium hexafluoroaluminate		LC50 – Oncorhynchus mykiss (rainbow trout) – 42.5 mg/l- 96 h		EC50 > 100 mg/l – 48 h

Persistence and degradability

No information available.

Bioaccumulative potential.

No information available.

Mobility in soil

This information is not available.

Results of PBT and vPvB assessment

No information available.

Other adverse effects

No information available.

Section 13. Disposal considerations

13.1. Waste treatment methods

Waste from Residues / Unused Products

Dispose of in accordance with local regulations.

Contaminated Packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

Other Information According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14. Transport information

IMDG/IMO

UN-Number Not regulated.
Proper Shipping Name Not regulated.
Hazard Class Not regulated.
Packing Group Not regulated.
Description Not applicable.
Marine Pollutant None.
Environmental hazard No
Special Provisions None.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.

RID

UN-Number Not regulated.
Proper Shipping Name Not regulated.
Hazard Class Not regulated.
Packing Group Not regulated.
Description Not applicable.
Environmental hazard No
Special Provisions None.

ADR

UN-Number Not regulated.
Proper Shipping Name Not regulated.
Hazard Class Not regulated.
Packing Group Not regulated.
Description Not applicable.
Environmental hazard No
Special Provisions None.

ICAO

UN-Number Not regulated.
Proper shipping name Not regulated.
Hazard Class Not regulated.
Packing Group Not regulated.
Description Not applicable.
Environmental hazard No
Special Provisions None.

IATA

14.1 UN-Number Not regulated.
14.2 Proper Shipping Name Not regulated.
14.3 Hazard Class Not regulated.
14.4 Packing Group Not regulated.
14.5 Description Not applicable.

14.6 Environmental hazard No
14.7 Special Provisions None.

Section 15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Complies
IECSC	Complies
AICS	Complies
KECL	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

Chemical Safety Assessment

No information available

Section 16. Other information

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet